Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

| Sheet 1 of 1  INFORMATION DISCLOSURE  CITATION |                            | Atty.  | Atty. Docket No. 36-1674          |                                       | Serial No. 10/018,485 |               |          |             |
|--|----------------------------|--|-----------------------------------|---------------------------------------|-----------------------|---------------|----------|-------------|
|  |                            | 36-  |                                   |                                       |                       |               |          |             |
|  |                            |  | Applicant                         |                                       |                       |               |          |             |
|  |                            | 0'N م  | EILL et al.                       |                                       |                       |               |          |             |
| (Use se  | veral sheets if necessary) | ्ठ हेगात   | Date                              | Group                                 |                       |               |          |             |
|  | 9.                         | 7094 Dec   | ember 19, 2001                    | <del>-266</del> 5                     | 26                    | 16            |          |             |
|  | HO1 3.3.                   | <del>                                     </del> |                                   |                                       |                       | 10            |          |             |
|  |                            |  | U.S. PATENT DOCUMENTS             |                                       |                       |               |          |             |
| EXAMINER                                       | ANTE TRA                   | <del>de /</del>                                  |                                   |                                       |                       |               | FILING   | DATE        |
| INITIAL  | DOCUMENT NUMBER            | DATE   | NAME                              | · · · · · · · · · · · · · · · · · · · | CLASS                 | SUBCLASS      | IF APPRO | OPRIATE     |
| AHM  | 6,473,411                  | 10/2002  | Kumaki et al.                     |                                       |                       |               |          |             |
| <del>-   -  </del>                             | 2002/0141360               | 10/2002  | Baba et al.                       |                                       |                       | ļ             |          |             |
| -+-+   | 2002/0089958               | 7/2002   | Feder et al.                      |                                       |                       |               |          |             |
|  | 6,094,437                  | 7/2000   | Loehndorf et al.                  |                                       |                       |               |          |             |
|  | 6,081,524<br>5,623,534     | 6/2000<br>4/1997                                 | Chase et al.  Desai et al.        |                                       |                       | <del>  </del> |          |             |
|  | 3,023,334                  | 4/177/   | Desai et al.                      |                                       | -                     | <u> </u>      |          | -           |
| <u>_</u>                                       |                            |  | PREIGN PATENT DOCUMENTS           |                                       |                       | L             |          |             |
|  | <del></del>                |  | AEIGN PATENT DOCUMENTS            | <del></del> -                         |                       |               | TRANS    | LATION      |
|  | DOCUMENT                   | DATE   | COUNTRY                           |                                       | CLASS                 | SUBCLASS      | YES      |             |
| 6'   | WO 01/99457                | 12/2001  | PCT                               | Т                                     | CLASS                 | SUBCLASS      | 150      | NO          |
| AHH  | WO 01/61394                | 8/2001   | PCT                               |                                       |                       |               |          |             |
| <del></del>                                    | WO 01/06732                | 1/2001   | PCT                               |                                       | <del></del>           |               |          |             |
|  | WO 01/06717                | 1/2001   | PCT                               |                                       |                       | <del>-</del>  |          |             |
|  | WO 95/30192                | 11/1995  | PCT                               |                                       |                       |               |          |             |
|  | WU 93/30192                | 11/1993  | PCI                               |                                       |                       |               |          |             |
|  |                            |  |                                   |                                       |                       |               |          | <u> </u>    |
|  | 071177 7001                |  |                                   |                                       |                       | <u> </u>      | l        | l           |
|  | OTHER DOCK                 | JMENIS (   | Including Author, Title, Date, Pe | ertinent p                            | ages, e               | tc.)          |          |             |
|  |                            |  |                                   |                                       |                       | •             |          | <del></del> |
|  |                            |  |                                   |                                       |                       |               |          |             |
|  |                            |  |                                   |                                       |                       | <del></del>   |          |             |
|  |                            |  |                                   |                                       | ····                  |               |          |             |
|  |                            |  |                                   |                                       |                       |               |          |             |
|  | <del>-  </del>             |  |                                   |                                       |                       |               |          |             |
|  |                            |  |                                   |                                       |                       |               |          |             |
|  |                            | · · · · · · · · · · · · · · · · · · ·            |                                   |                                       |                       |               |          |             |
|  |                            |  |                                   |                                       |                       |               |          |             |
|  |                            |  |                                   |                                       |                       |               |          |             |
|  |                            |  |                                   |                                       |                       |               |          |             |

| *Examiner Albus H. Hsu Date Considered 6/21/06 |           |              |                 |         |  |
|--|-----------|--------------|-----------------|---------|--|
| Date Considered                                | *Examiner | Alpus H. Hsy | Date Considered | 6/21/06 |  |

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Atty. Docket No.

36-1674

Applicant

O'NEILL

Filing Date

Serial No.

10/018,485

OFE 12/502

Group

<del>2681</del> 2616

|                       |                  | U.S     | S. PATENT DOCUMENTS | ;     |          |                |
|-----------------------|------------------|---------|---------------------|-------|----------|----------------|
| EXAMINER<br>_ INITIAL | DOCUMENT NUMBER- | · DATE  | NAME                | CLASS | SUBCLASS | FILING DATE    |
| AHH                   | 6,130,898        | 10/2000 | KOSTRESKI, et al.   |       | RE       | CEIVED         |
| 1                     | 6,038,450        | 03/2000 | BRINK, et al.       |       | 111      | SEIVED         |
|                       | 6,002,677        | 12/1999 | JAVITT, et al.      |       | DF       | c 1 1 2003     |
|                       | 5,822,324        | 10/1998 | KOSTRESKI, et al.   |       | 1        |                |
|                       | 5,754,546        | 05/1998 | VOIT et al.         |       | Tochnol  | pgy Center 260 |
|                       | 5,751,707        | 05/1998 | · VOIT, et al.      |       | 1 COMINO | bal como con   |
|                       | 5,729,549        | 03/1998 | KOSTRESKI, et al.   |       |          |                |
|                       | 5,533,026        | 07/1996 | AHMADI, et al.      |       | 1 .      |                |
|                       | 5,528,583        | 06/1996 | ACAMPORA, et al.    |       |          |                |
|                       | 5,400,338        | 03/1995 | FLAMMER             |       | 1        |                |

**December 19, 2001** 

#### FOREIGN PATENT DOCUMENTS TRANSLATION CLASS **DOCUMENT** DATE COUNTRY **SUBCLASS** YES NO 00/44133 07/2000 wo 96/28904 09/1996 WO WŌ 96/28903 09/1996 96/05704 02/1996 wo JР 11178036 07/1999 10093634 04/1998 JР 0 902 551 03/1999 EP 0 862 344 09/1998 EP 0 835 034 04/1998 EP 0 829 985 03/1998 EP 1 011 241 06/2000 EP 5,424,696 10/1996 AU 5,424,496 10/1996 AU

| *Examiner | Alpus H. Hsu | Date Considered | 6/21/06 |
|-----------|--------------|-----------------|---------|

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

### INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Atty. Docket No.

RECEIVED

36-1674

DEC 1 1 2003 10/018,485

Applicant

Technology Center 2600

O'NEILL Filing Date

**December 19, 2001** 

2681 2616



OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) "Tutorial: Mobile Networking Through Mobile IP", Charles E. Perkins, IEEE Internet Computing Oneline, 1997... AHH "IP Micro-Mobility Support Using HAWAII", R. Ramjee, T. La Porta, S. Thuel, K. Varadhan, 19 February 1999, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-rimjee-micro-mobilityhawaii-00.txt. "A Highly Adaptive Distributed Routing Algorithm for Mobile Wireless Networks" Vincent D. Park and M Scott Corson, Proceedings of INFOCOM '97, April 7-11, Kobe, Japan. 'A Performance Comparison of the Temporally-Ordered Routing Algorithm and Ideal Link-State Routing" Vincent D Park and M Scott Corson, Proceedings of ISCC '98, 30 June -2 July, 1999. "Architectural Considerations for Mobile Mesh Networking", S. Corson et al, May 1996. "Highly Dynamic Destination-Sequenced Distance-Vector Routing (DSDV) for Mobile Computers:, Charles E, Perkins et al., ACM SIGCOMM 1994. "Providing Continuous Network Access to Mobile Hosts using TCP/IP", Charles Perkins, Computer Networks and ISDN Systems vol. 26 (1993), pp 357-369. "Cellular IP - A New Approach to Internet Host Mobility", A.G. Valko, January 199, ACM Comput. Commun. Review. "IP Addressing and Routing in a Local Wireless Network:, Danny Cohen, Jonathan B. Postel, Raphael Rom, IEEE INFOCOM 1992, pp. 626-632. "Hawaii: A Domain-based Approach for Supporting Mobility in Wide-Area Wireless Networks", R. Ramjee, T. La Porta, S. Thuel, and K. Varadhan, Proceedings of the International Conference on Networking Protocols (ICNP), 3 November 1999, pp. 283-292. 'A protocol for seamless communication in a picocellular network", R. Ghai and S. Singh, May 1994, In Proc. IEEE Supercomm/ICC, pp. 192-196. "Multicast Communications-Protocols and Applications", Ralph Wittman, Martina Zitterbart, 12 May 2000, Morgan Kaufman Publishers, San Diego, pp. 105-121. 'An Effective Spanning Tree Algorithm for a Bridged LAN", N.F. Huang and Y.C. Cheng, March 1992, International Workshop on Advanced Communications and Applications for High Speed Networks (IWACA '92), Munich, Germany, 'Edge Mobility Architecture", A. O'Neill, G. Tsirtis, S. Corson, July 2000, posted on http://www.comet.columbia.edu/micomobility/pub/draft-oneill-ema-02.txt. "A two-phase inter-switch handoff scheme for wireless ATM Networks", K. Salah, E. Drakoponios, October 1998, IEEE ATM 98 Workshop Proceedings, pp. 708-713. "Adaptive Routing in Burroughs Network Architecture", J. Rosenberg, 17 August 1987, Computer Communications Review, US Association for Computing Machinery, Vol. 17, No. 5, pp. 173-184. 'Paging Support for IP mobility using HAWAII", R. Ramjee, T. La Porta, L. Li, 25 June 1999, posted on the Internet Engineering Taskforce Internet site at <a href="http://www.ietf.org/internet-drafts/draft-ietf-mobileip-paging-hawaii-00.txt">http://www.ietf.org/internet-drafts/draft-ietf-mobileip-paging-hawaii-00.txt</a>. 'P-MIP: Minimal Paging Extensions for Mobile IP", X. Zhang, J. Castellanos, A. Campbell, K. Sawada, M. Barry, July 20000, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-zhang-pimp-Source-Specific Multicast for IP", H. Holbrook, B. Cain, 9 March 2000, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-holbrook-ssm-00.txt. "Cellular IP", A. Campbell, J. Gomez, C-Y Wan, S, Kim, Z. Turanyi, A. Valko, December 1999, posted on the Internet Engineering Taskforce Internet site at <u>http://www.ietf.org/internet-drafts/draft-ietf-mobileip-cellularip-00.txt</u>. "Host Specific Routing", Alan O'Neill, Hongyi Li, November 2000, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-oneill-li-hsr-00.txt. "State Transfer between Access Routes during Handoff", A. O'Neill, G. Tsirtsis, S. Corson, August 2000, posted on the Internet Engineering Taskforce Internet site at <u>http://www.ietf.org/internet-drafts/draft-oneill-handoff-state-00.txt</u>. **pus** 15U \*Examiner

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Date Considered

### - Sheet 3 of 3

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Atty. Docket No. RECEIVE No.

36-1674 Applicant DEC 1 1 2003 0/018,485

O'NEILL Filing Date

**December 19, 2001** 

Technology Center 2600

**2681** 2616



| AHH       | "IPv4 over Mobile IPv6 for Dual Stack nodes", G. Tsirtsis, A. O'Neill, S. Corson, August 2000, posted on the Internet Engineering Taskforce Internet site at <a href="http://www.ietf.org/internet-drafts/draft-tsirtsis-v4-over-mipv6-00.txt">http://www.ietf.org/internet-drafts/draft-tsirtsis-v4-over-mipv6-00.txt</a> .  |  |  |  |  |  |  |   |  |  |  |  |  |  |
|-----------|---|--|--|--|--|--|--|---|--|--|--|--|--|--|
|           | "Generalized IP Handoff", A. O'Neill, G. Tsirtsis, S. Corson, August 2000, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-oneill-craps-handoff-00.txt.   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           | "EMA Enhanced Mobile IPv6/IPv4", O'Neill, G. Tsirtsis, S. Corson, July 2000, posted on the Internet Engineering   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           | Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-oneill-ema-mip-00.txt.   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           | "Host Extensions for IP Multicasting", S. Deering, August 1989, Internet Engineering Taskforce Request for Comment (RFC) 1112, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/rfc/rfc1112.txt.   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           | "IP Mobility Support", C. Perkins, October 1996, Internet Engineering Taskforce Request for Comment 2002, posted on the Internet Engineering Taskforce Internet site at <a href="http://www.ietf.org/rfc/rfc2002.txt">http://www.ietf.org/rfc/rfc2002.txt</a> .  "On dynamically adapting registration areas to user mobility patterns in PCS networks", G. Varsamopoious, S.K. Gupta, September 1999, In Proc. Int'l Workshop on Collaboration and Mobile Computing (IWCMC'99), Aizu, Japan.  "Mobile user registration in cellular systems with overlapping location areas", D. Gu and S.S. Rappaport, May 1999, Proceedings of the 50th Vehicular Technology Conference, pp. 802-806.  "Extending Mobile IP with adaptive individual paging: a performance analysis", C. Castelluccia, 2000, In Proc. IEEE Symposium on Computer and Communications, pp. 113-118.  "A hierarchial multiresolution registration structure for mobility tracking", L. Tassiulas, F. Anjum, September 1996, Proceedings of the 5th International Conference on Universal Personal Communications, Boston, MA.  "Distributed algorithms for generating loop-free routes in networks with frequently changing topology", E. Gafni, D. Bertsekas, January 1981, IEEE Transactions on Communications, Vol. 29 No. 1, pp. 11-18. |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   | "Location tracking mechanisms for optimal mobility adaption", L. Tassiulas and F.M. Anjum, October 1996, 34th Annual |  |  |  |  |  |
| <u> </u>  |   |  |  |  |  |  |  | Allerton Conf. On Communications, Control and Computing, pp. 855-864. |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
| T 10.00   |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           |   |  |  |  |  |  |  |   |  |  |  |  |  |  |
|           | Alpus H. Hsu Date Considered 6/21/06  |  |  |  |  |  |  |   |  |  |  |  |  |  |
| *Examiner | HIPUS H. HSU   Date Considered   S/CI/06  |  |  |  |  |  |  |   |  |  |  |  |  |  |

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.